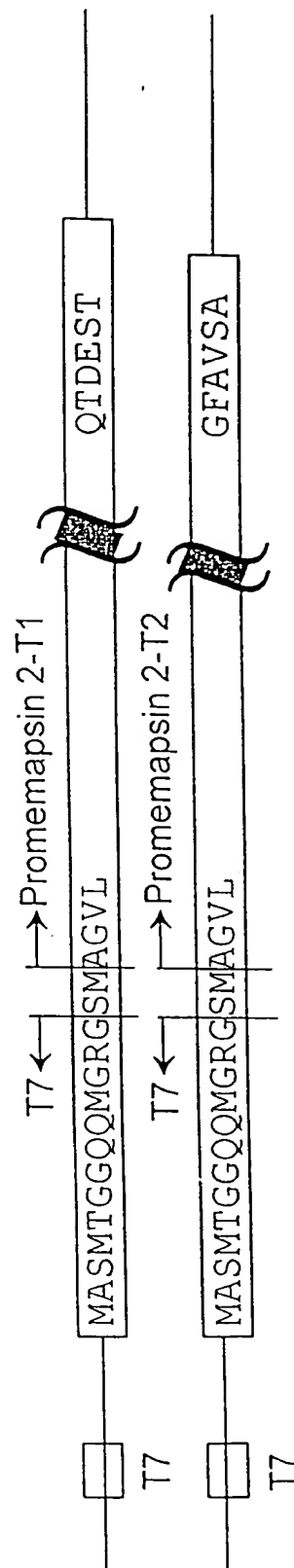


FIG. 1

FIG. 1

1v MASMTGGQQM GRGSMAGVLP AHGTQHGIRL PLRSLGGAP LGLRLPRETD
 36p EEPEEPGRRG SFVEMVDNLR GKSGQGYVE MTVGSPPTL NILVDTGSSN
 38 FAVGAAPHPF LHRYYQRQLS STYRDLRKG VVPYTQGWKWE GELGTDLVSI
 88 PHGPNVTVRA NIAAITESDK FFINGSNWEG ILGLAYAEIA RPDDDSLEPFF
 138 DSLVKQTHVP NLFSLQLCGA GFPLNQSEVL ASVGSGMIIG GIDHSLYTGS
 188 LWYTPIRREW YVEVIVRVE INGQDLKMDK KEYNYDKSIV DSGTTLRLP
 238 KKVFEEAAVKS IKAASSTEFK PDGFWLGEQL VCWQAGTTPW NIFPVISLYL
 288 MGEVTNQSR ITILPQQYLR PVEDVATSQD DCYKFAISQS STGTVMGAVI
 338 MEGFYVVDR ARKRIGFAVS ACHVHDEFRT AAVEGPFVTL DMEDCGYNIP
 388 QTDESTLMTI AYVMAAICAL FMLPLCLMVC QWRCLRLRQ QHDDFADDIS
 438 LLK*



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 Gerald Koelsch, Jordan J. N. Tang, Lin Hong, and Arun K. Ghosh
 Division of U.S.S.N. 09/603,713
 Filed: April 27, 2001
 Atty. Docket No.: OMR 182 DIV

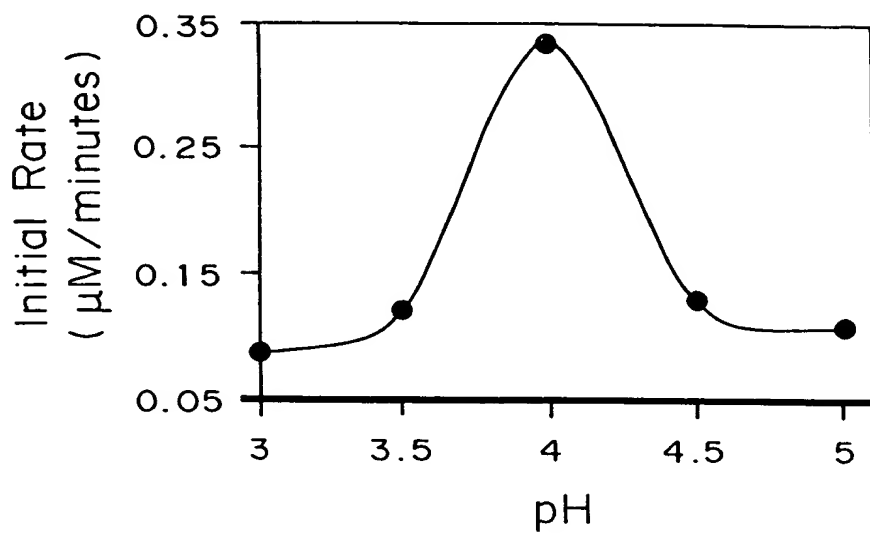


FIG. 2A

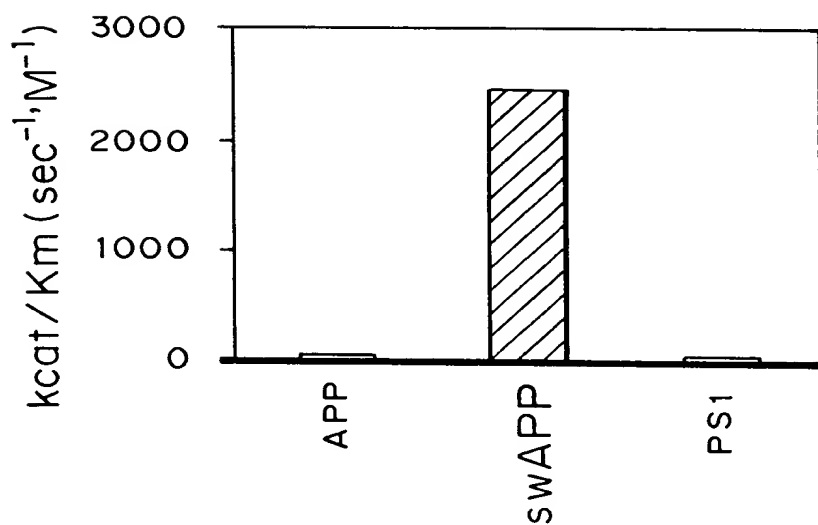


FIG. 2B

FIG. 2A and FIG. 2B

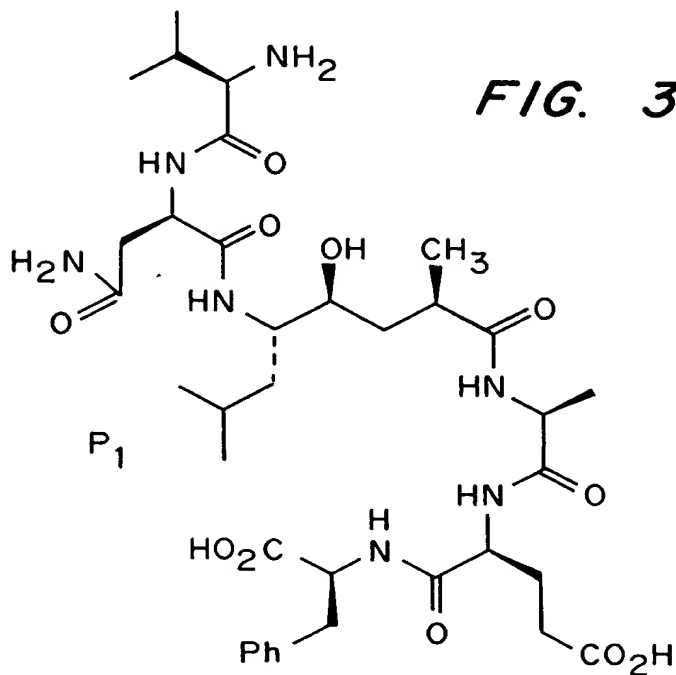


FIG. 3A

OM99 - 1

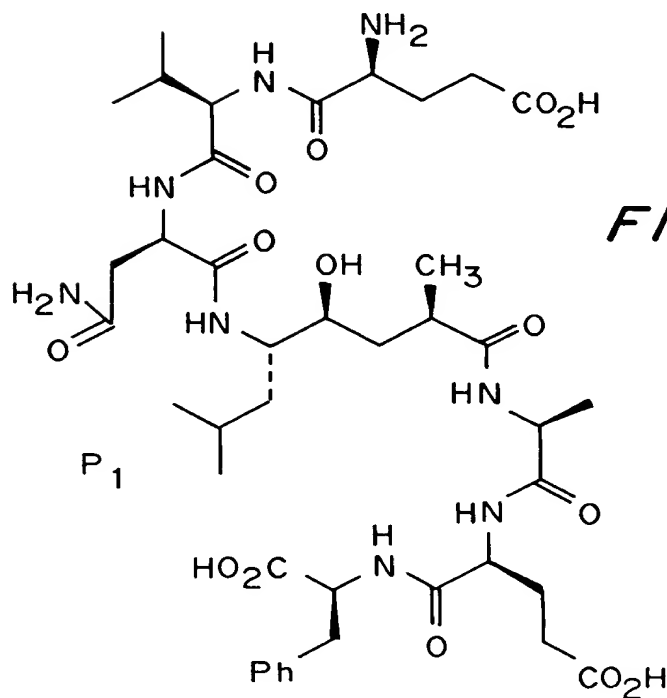
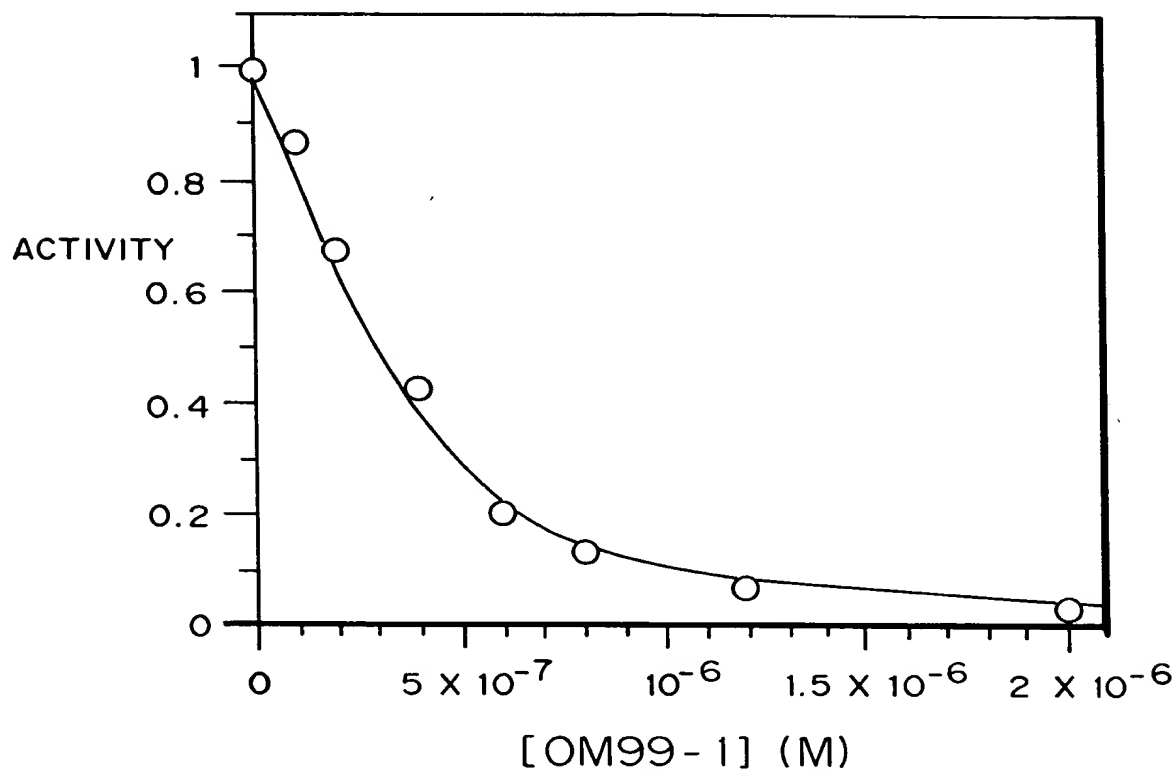


FIG. 3B

OM99 - 2

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FIG. 4A



[Mep2] = 0.47 μ M

[Fluo. Substrate] = 29.9 μ M

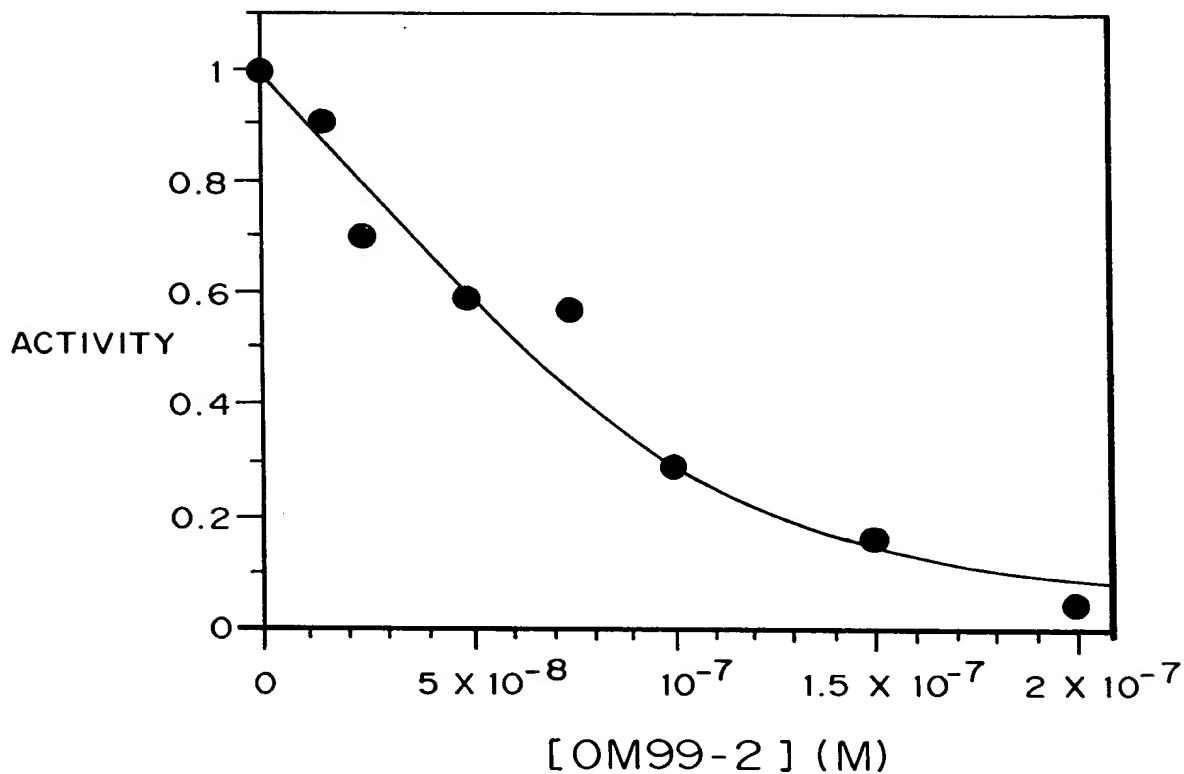
Buffer: Na Acetate 0.1 M, 5% DMSO, pH 4.5 at 37°C

Excitation at 350 nm

Emission at 490 nm

Parameter	Value	Std. Error
Ki	6.84e - 8	2.72 e - 9

FIG. 4B



$[E]_0 = 0.11 \mu\text{M}$

$[\text{Fluo Substrate}] = 29.9 \mu\text{M}$

Parameter	Value	Std. Error
Ki	9.58e-9	2.86e-10

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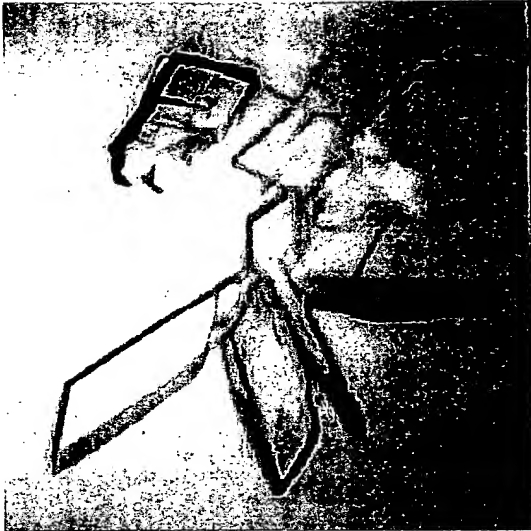


FIG. 5C

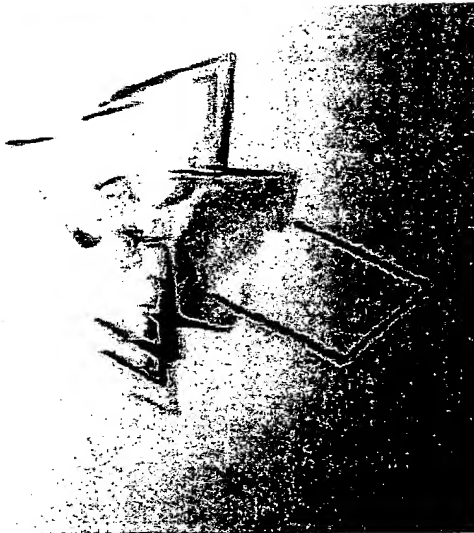


FIG. 5B

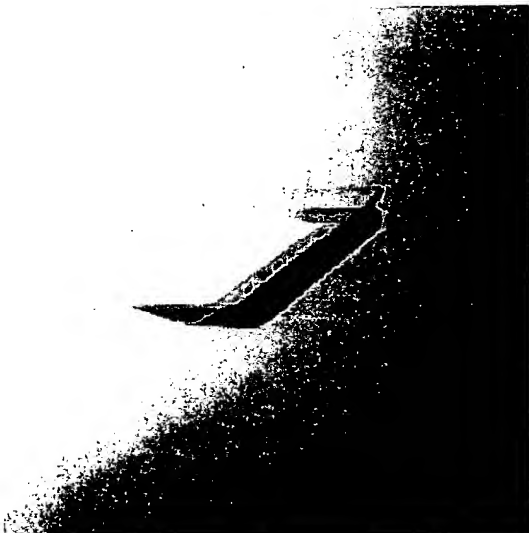


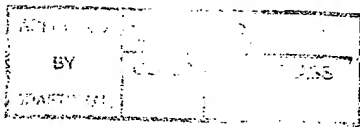
FIG. 5A



FIG. 5E



FIG. 5D



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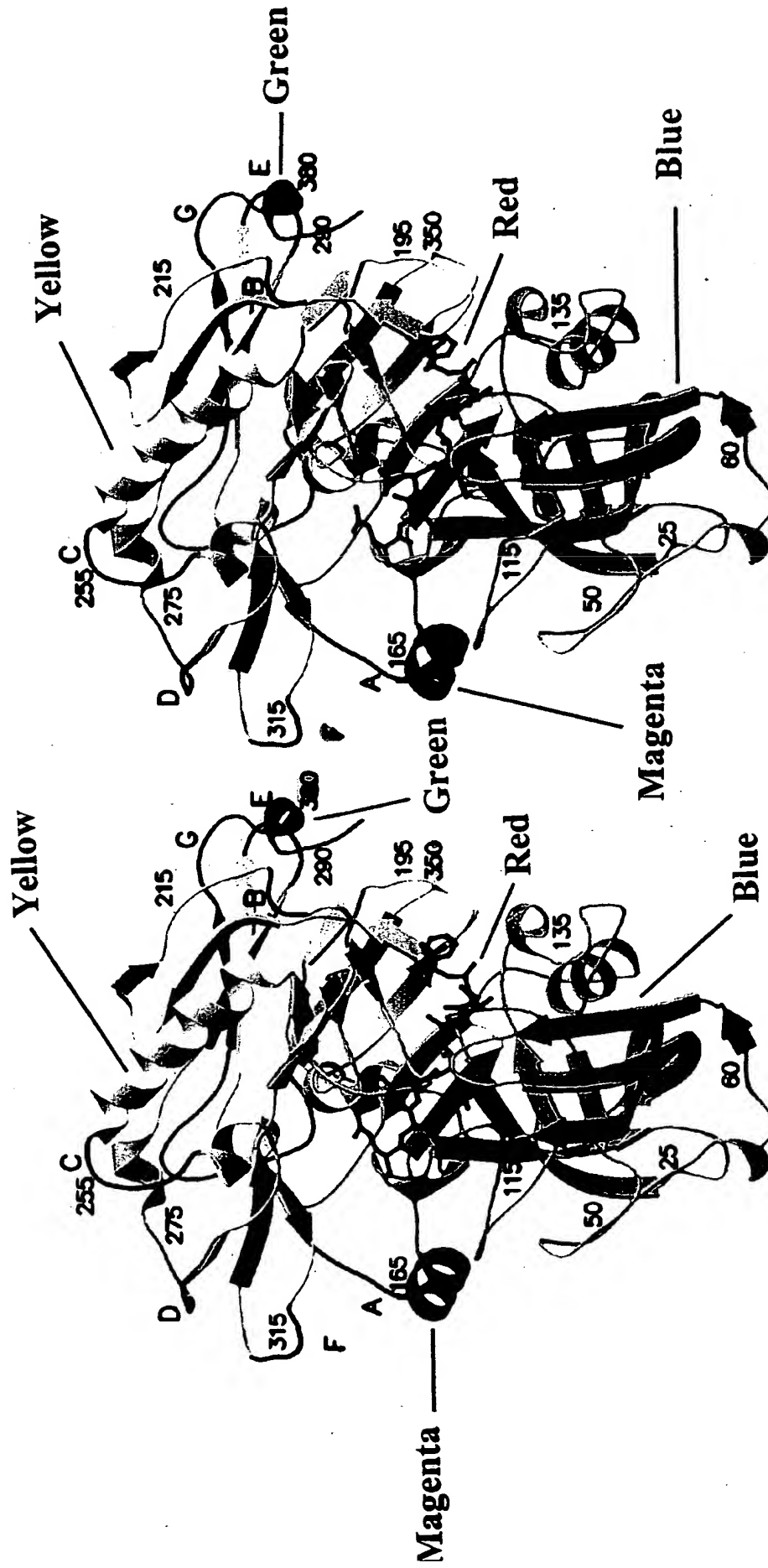
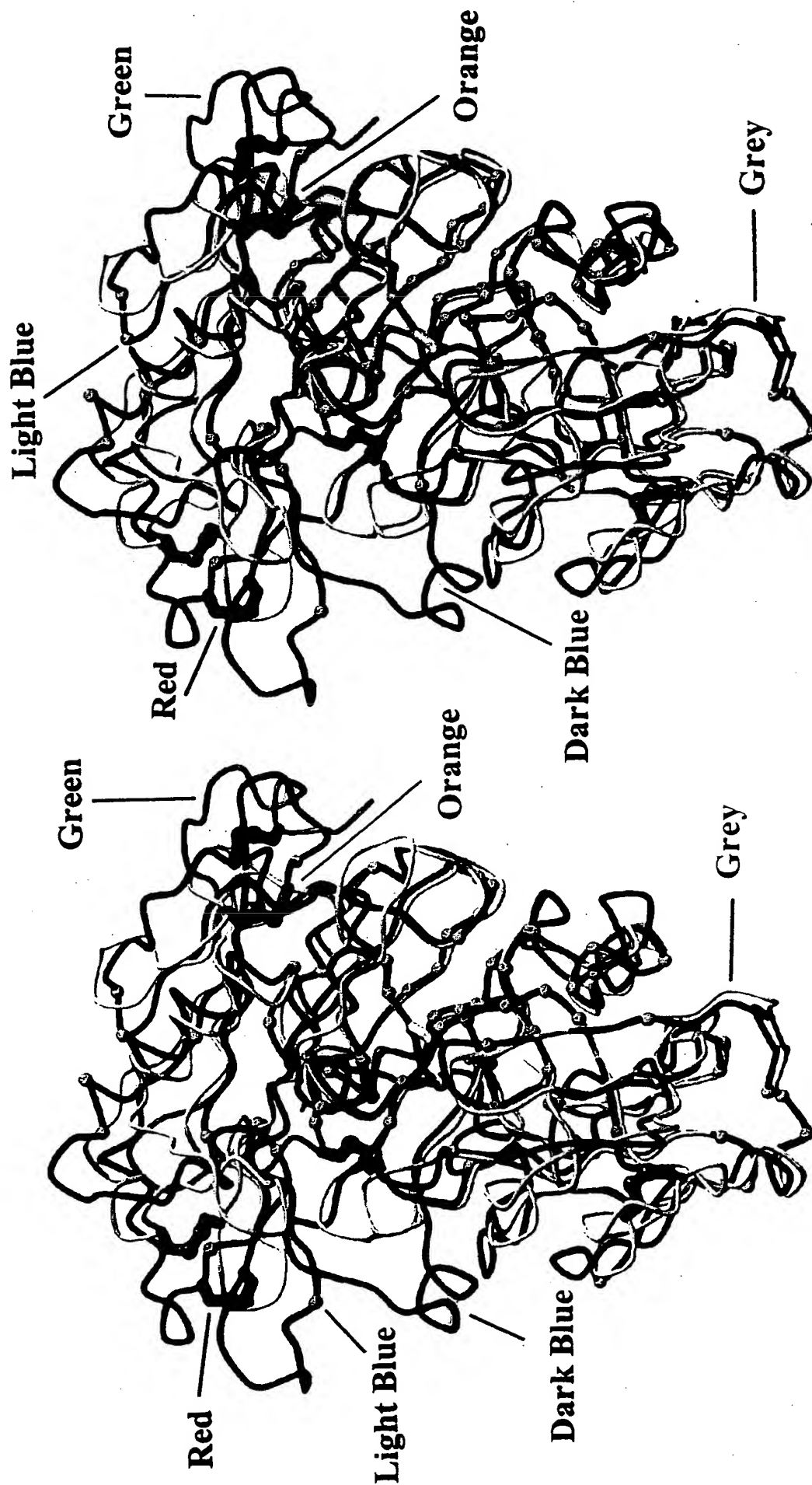


FIG. 6

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FIG. 7

FIG. 8

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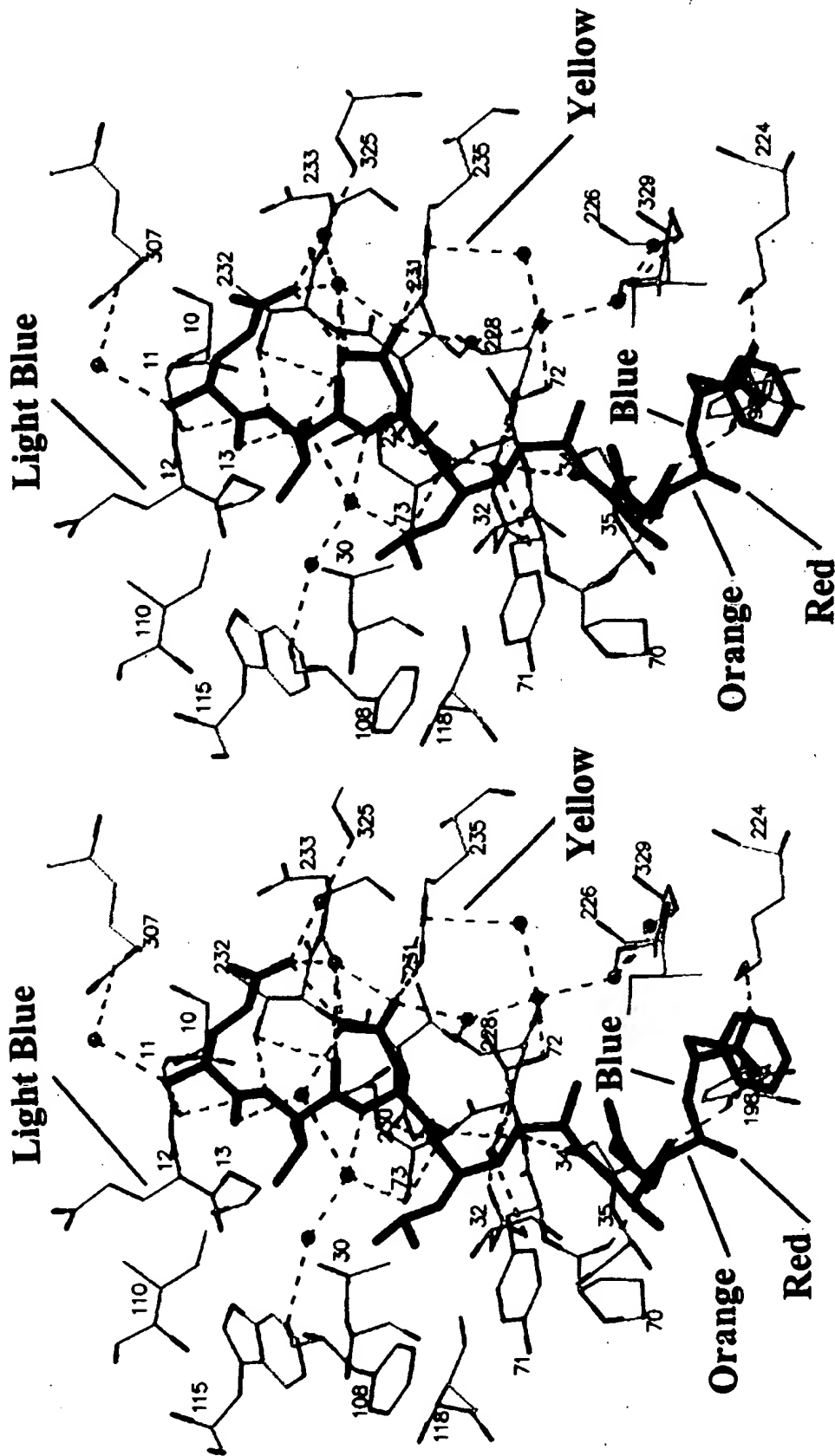
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FIG. 9



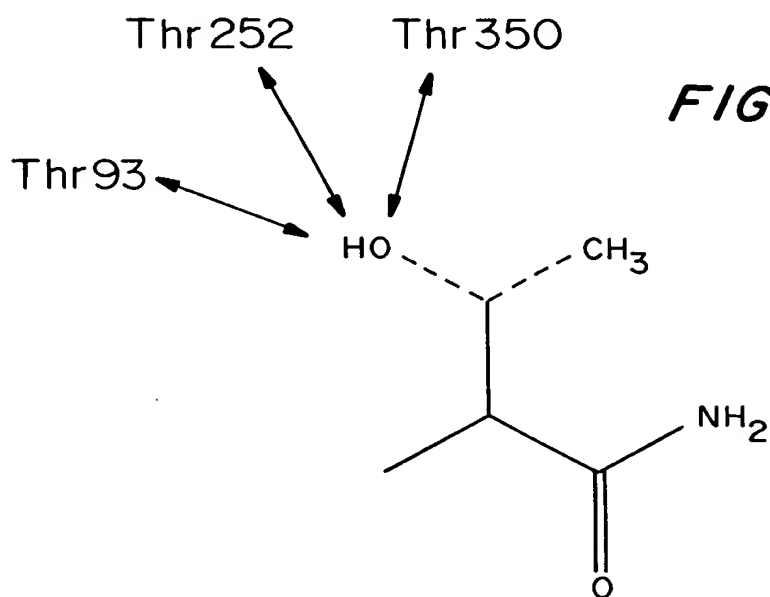


FIG. 12

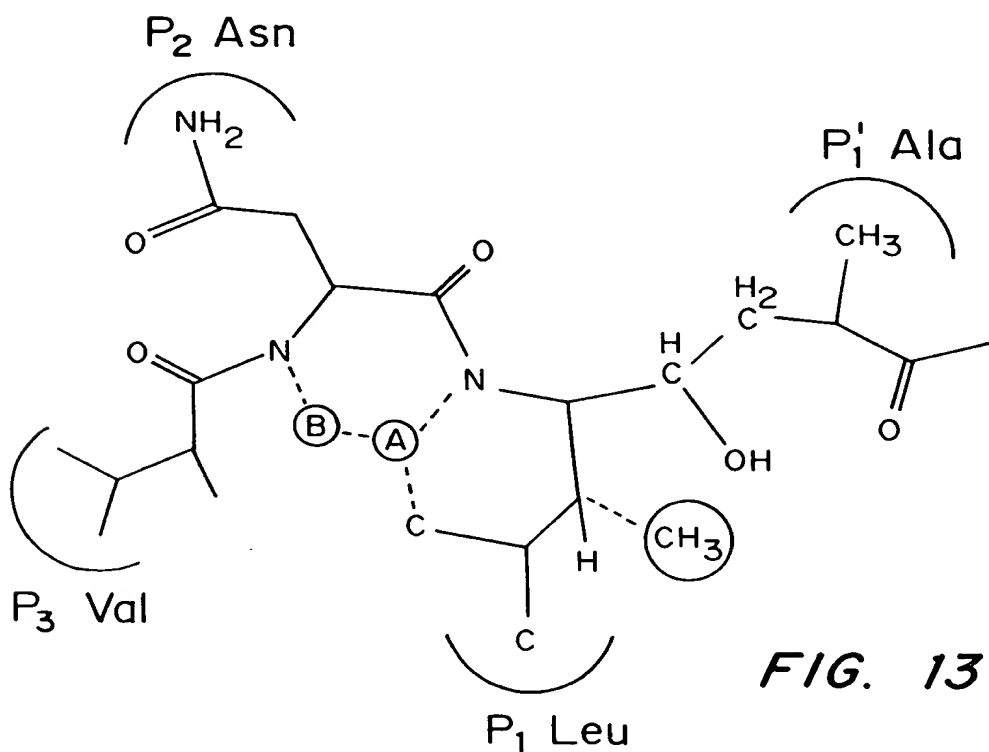


FIG. 13

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